

Matthew Erwin

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EDUCATION

- **Louisiana State University**

Bachelor of Science in Computer Science, Minor in Mathematics GPA: 4.00

Baton Rouge, LA

Aug. 2020 – May 2024

EXPERIENCE

- **General Dynamics Information Technology**

Software Engineer I (Part-time/Intern)

Remote

Nov. 2022 – Mar. 2023

- **FAFSA:** Served as a backend developer and gained practical experience with Java by programming pieces of the REST API for the Free Application for Federal Student Aid (FAFSA)
- **Version Control:** Proficiently employed version control systems, including GitLab and Git, to facilitate seamless collaboration within the development and testing team
- **API Testing:** Championed software quality assurance through the development of robust JUnit tests, validating the functionality of my code and the code of fellow engineers
- **Database:** Demonstrated bi-weekly functionality of user stories to clients using PgAdmin and PostgreSQL queries
- **SAFe:** Practiced SAFe Agile methodologies by following user stories and features and utilized communication platforms such as Confluence and Jira to track progress

- **Chevron**

Cloud Engineer Intern

Covington, LA

May 2023 – Aug. 2023

- **Splunk:** Developed sophisticated Splunk dashboards and alerts using SPL and designed visuals using XML, HTML, CSS, and JavaScript that served as template boards for Chevron's BUs
- **OT Automation:** Utilized Ansible Tower to orchestrate and automate infrastructure tasks for an early-in-the-works project, leveraging Ansible playbooks and Docker for other containerization tasks
- **Competency Pathways:** Interacted with Degreed's RESTful API and frontend to create multiple competency pathways for future Chevron Network Engineers using Postman and Degreed's GUI

- **General Dynamics Information Technology**

Software Developer Intern

Remote

June 2022 – Aug. 2022

- **AWS CI/CD:** Created a full end-to-end automated pipeline using AWS Code* services, along with AWS Blue/Green deployment
- **Containers:** Worked on small frontend coding projects and containerized such projects by building images and containers through Docker and Docker Hub

PROJECTS

- **Movie Review** — *React, Typescript, Rust, CSS, NodeJS, ExpressJS, MySQL:*

- Designed and coded a React & Express full-stack web app for users to read and write movie reviews
- Implemented MySQL to dynamically store all movie and user information

- **DSA Visualization** — *React, JavaScript, MongoDB, NodeJS, ExpressJS, MaterialUI, CSS:*

- Programmed data structures and algorithms visualizations within a full-stack web app
- Constructed a chat feature for users to ask questions live and asynchronously
- Minimized security risks of the REST API by using JWT inside session cookies

- **Fit Happens** — *React, JavaScript, MSSQL, ASP.Net Core, Apache:*

- Collaborated with team members to assemble a full-stack workout web application
- Deployed using Apache Web Server and AWS EC2 instance

LEADERSHIP AND HONORS

- **Leadership:** Society of Peer Mentors — Chevron Leadership Academy

- **Honors:** Geaux Engineering 1st Place 2022 — AWS Cloud Practitioner 2021 — SAFe 6 Practitioner 2023 — Chevron Energy Leaders Scholarship 2022 — Great American Rivalry Scholarship 2020